

FIG.1

	d ₁	-----						d ₈	
	P	Q	R	S	T	U	V	W	
0	SYNCHRONOUS PATTERN S ₀								
1									
2	SYNCHRONOUS PATTERN S ₁								
.									
.									
.									
.									
.									
.									
97									

FIG.2

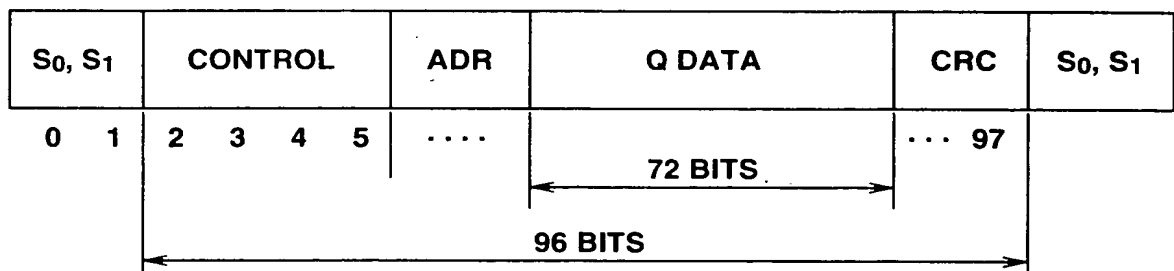


FIG.3

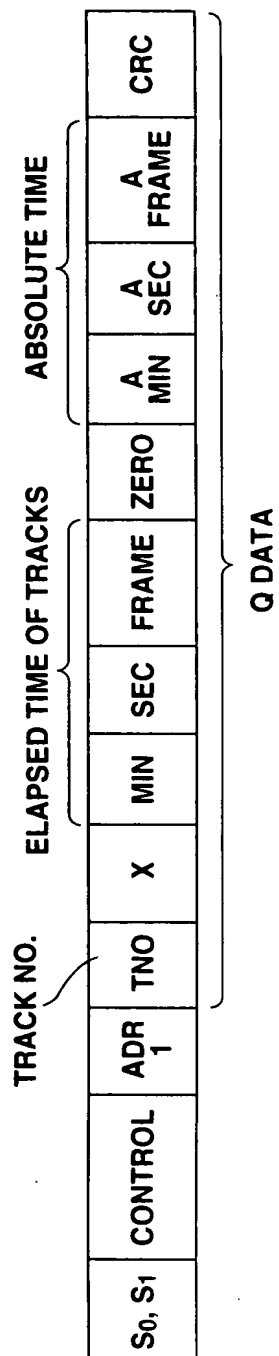


FIG.4

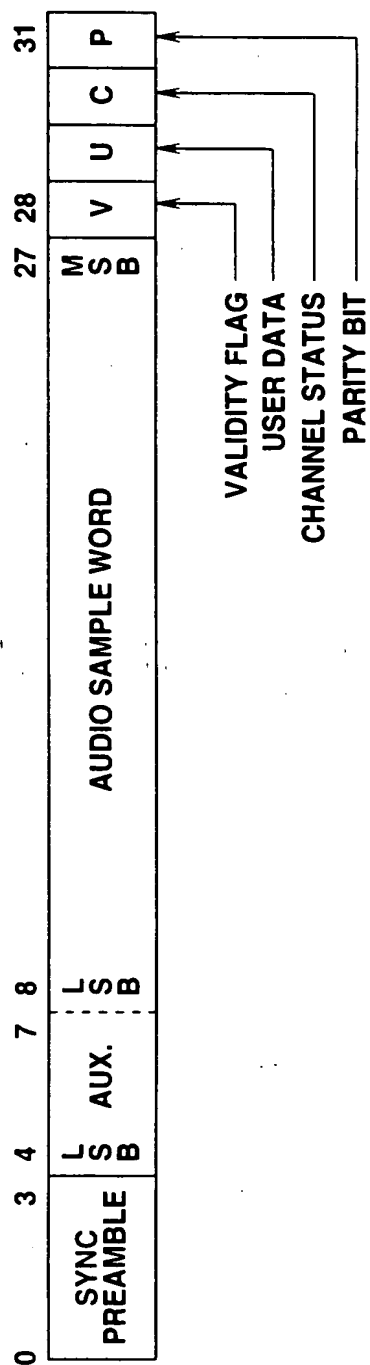


FIG.5

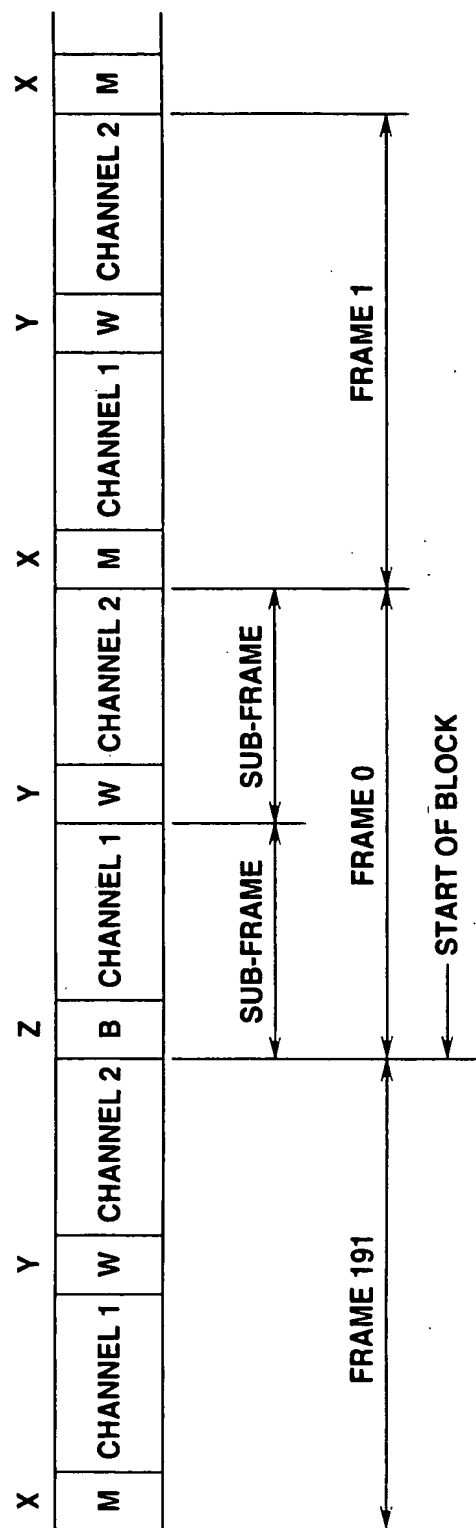


FIG.6

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0		CONTROL			0		0	CATEGORY CODE							
16		SOURCE NUMBER			CHANNEL NUMBER			fs			CLOCK ACCURACY				
32															
48															
64															
80															
96															
112															
128															
144															
160															
176															

FIG. 7

	0	1	2	3	4	5	6	7	8	9	10	11
0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
24	1	Q1	R1	S1	T1	U1	V1	W1	0	0	0	0
36	1	Q2	R2	S2	T2	U2	V2	W2	0	0	0	0

1164	1	Q96	R96	S96	T96	U96	V96	W96	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
24	1	Q1	R1	S1	T1	U1	V1	W1	1	Q2	R2	S2
36	T2	U2	V2	W2	0	0	0	0	0	0	0	0
48	1	Q3	R3	S3	T3	U3	V3	W3	0	0	0	0
60	0	0	0	0	1	Q4	R4	S4	T4	U4	V4	W4
72	1	Q5	R5	S5	T5	U5	V5	W5	0	0	0	0

FIG.8

No.	PREAMBLE SYNC	AUX	AUDIO SAMPLES			M S B	V	U	C	P
1	B	0000	0000	XXXX	XXXX	XXXX	0	0	C1L	P
2	W	0000	0000	XXXX	XXXX	XXXX	0	0	C1R	P
3	M	0000	0000	XXXX	XXXX	XXXX	0	0	C2L	P
4	W	0000	0000	XXXX	XXXX	XXXX	0	0	C2R	P
5	M	0000	0000	XXXX	XXXX	XXXX	0	0	C3L	P
6	W	0000	0000	XXXX	XXXX	XXXX	0	0	C3R	P
7	M	0000	0000	XXXX	XXXX	XXXX	0	0	C4L	P
8	W	0000	0000	XXXX	XXXX	XXXX	0	0	C4R	P
9	M	0000	0000	XXXX	XXXX	XXXX	0	0	C5L	P
10	W	0000	0000	XXXX	XXXX	XXXX	0	0	C5R	P
11	M	0000	0000	XXXX	XXXX	XXXX	0	0	C6L	P
12	W	0000	0000	XXXX	XXXX	XXXX	0	0	C6R	P
13	B	0000	0000	XXXX	XXXX	XXXX	0	0	C7L	P
14	B	0000	0000	XXXX	XXXX	XXXX	0	0	C7R	P
15	B	0000	0000	XXXX	XXXX	XXXX	0	0	C8L	P
16	B	0000	0000	XXXX	XXXX	XXXX	0	0	C8R	P
17	B	0000	0000	XXXX	XXXX	XXXX	0	0	C9L	P
18	B	0000	0000	XXXX	XXXX	XXXX	0	0	C9R	P
19	B	0000	0000	XXXX	XXXX	XXXX	0	0	C10L	P
20	B	0000	0000	XXXX	XXXX	XXXX	0	0	C10R	P
21	B	0000	0000	XXXX	XXXX	XXXX	0	0	C11L	P
22	B	0000	0000	XXXX	XXXX	XXXX	0	0	C11R	P
23	B	0000	0000	XXXX	XXXX	XXXX	0	0	C12L	P
24	B	0000	0000	XXXX	XXXX	XXXX	0	0	C12R	P

FIG.9

No.	PREAMBLE SYNC	AUX	AUDIO SAMPLES				M S B	V	U	C	P
25	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	1	C13L	P
26	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	Q1	C13R	P
27	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	R1	C14L	P
28	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	S1	C14R	P
29	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	T1	C15L	P
30	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	U1	C15R	P
31	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	V1	C16L	P
32	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	W1	C16R	P
33	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	0	C17L	P
34	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	0	C17R	P
35	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	0	C18L	P
36	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	0	C18R	P
37	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	1	C19L	P
38	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	Q2	C19R	P
39	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	R2	C20L	P
40	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	S2	C20R	P
41	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	T2	C21L	P
42	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	U2	C21R	P
43	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	V2	C22L	P
44	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	W2	C22R	P
45	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	0	C23L	P
46	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	0	C23R	P
47	M	0000	0000	XXXX	XXXX	XXXX	XXXX	0	0	C24L	P
48	W	0000	0000	XXXX	XXXX	XXXX	XXXX	0	0	C24R	P

FIG.10

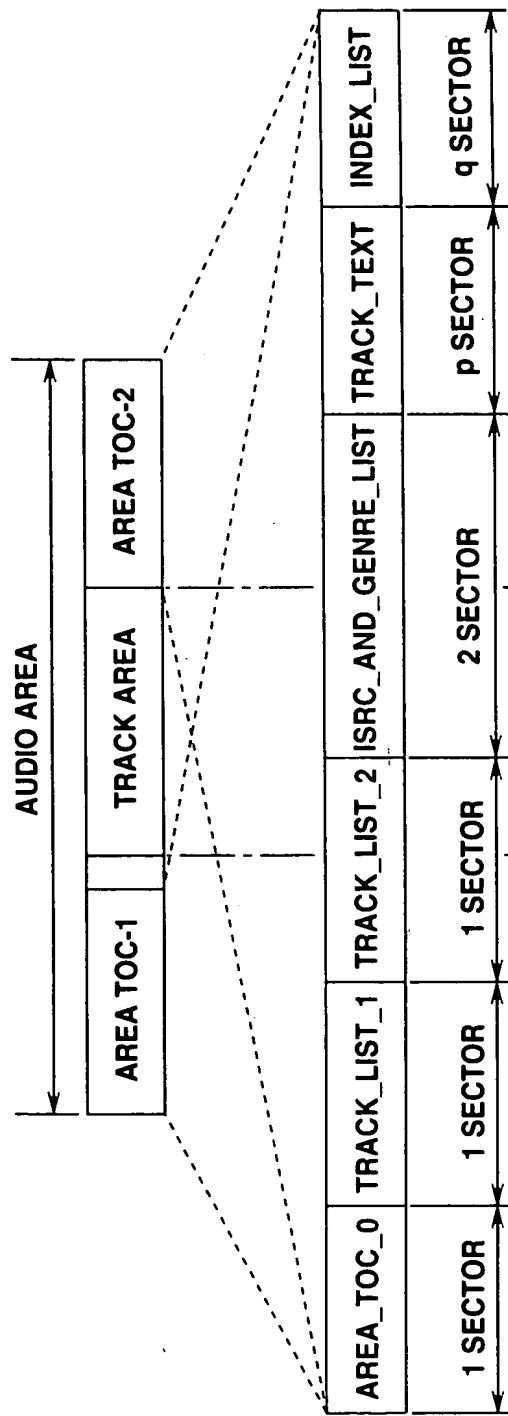


FIG. 11A

FIG. 11B



FIG. 11C

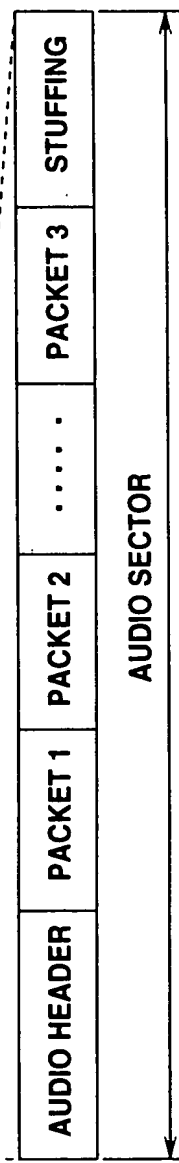


FIG. 11D

Track_List_2 () {	#bytes	format	value
Track_List_2 Signature	8	string	"SACDTRL2"
for (ton=1;ton<=N_Tracks;ton++)			
{	3	Time_Code	
Track_Start_Time_Code [ton]	1	UInt8	0
reserved			
}	Until 1028	UInt8	0
Reserved			
for (ton=1;ton<=N_Tracks;ton++)	3	Time_Code	
{	1	Track_Flags	
Track_Time_Length [ton]			
Track_Flags [ton]	Until 2048	UInt8	0
}			
Reserved			
}			

FIG.12

	#bytes	format	value
Index_List () { Index_List_Signature for (ton=1;ton<=N_Tracks;ton++) { Index_Ptr [ton] } Reserved for (ton=1;ton<=N_Tracks;ton++) if (Index_Ptr [ton]>0) { N_Stored_Indexes [ton] for (x=1;x<=N_Stored_Indexes [ton];x++) { Index_Start_TC [ton] [x+1] } } Reserved }	8	string	"SACD_Ind"
	2	UInt16	
	Until 524	UInt8	0
	1	UInt8	1..255
	3	Time_Code	
	Until eos	UInt8	0

FIG.13

<pre> Audio_Header () { N_Packs N_Frame_Starts Reserved for (p=1;p<=N_Packets;p++) Packet_Info () [p] for (f=1;f<=N_Frame_Starts;f++) Frame_Info () [f] } </pre>			
#bytes	format	value	
3	UInt3	1..7	
3	UInt3	1..7	
2		0	
16	Packet_Info		
48	Frame/Info		

FIG.14

	#bytes	format	value
Frame_Info () [f] {			
Time_Code	24	Time_Code	
if (Frame_Format==0/* ==LLC */) {			
Reserved	2	UInt8	0
N/Sector [f]	4	UInt4	0
Buffer_Occupancy [f]	18	UInt18	0
}			
}			

FIG.15

AREA TOC						
TRACK LIST2			INDEX LIST			
TRACK START TIME CODE	TN01	0M10S00F (TC ₁)	INDEX 2	2M10S00F	INDEX START TIME CODE	
			INDEX 3	3M10S00F		
			.	.		
			.	.		
	TN02	5M30S00F (TC ₂)	INDEX M	4M10S00F		
			INDEX 2	6M10S00F		
			INDEX 3	8M10S00F		
			.	.		
.			.			
.			.			
.			.			
TN03	10M20S00F (TC ₃)	INDEX 2	12M30S00F			
TN0N	(TC _N)	

FIG.16

TNO	INDEX	N MIN	N SEC	N FRAME	ZERO	A MIN	A SEC	A FRAME
TRACK NO. TNO	INDEX NO. IDX	ELAPSED TIME OF TRACK TCN(M, S, F)			UNIFORM 0	ABSOLUTE TIME TAC(M,S,F)		

FIG.17

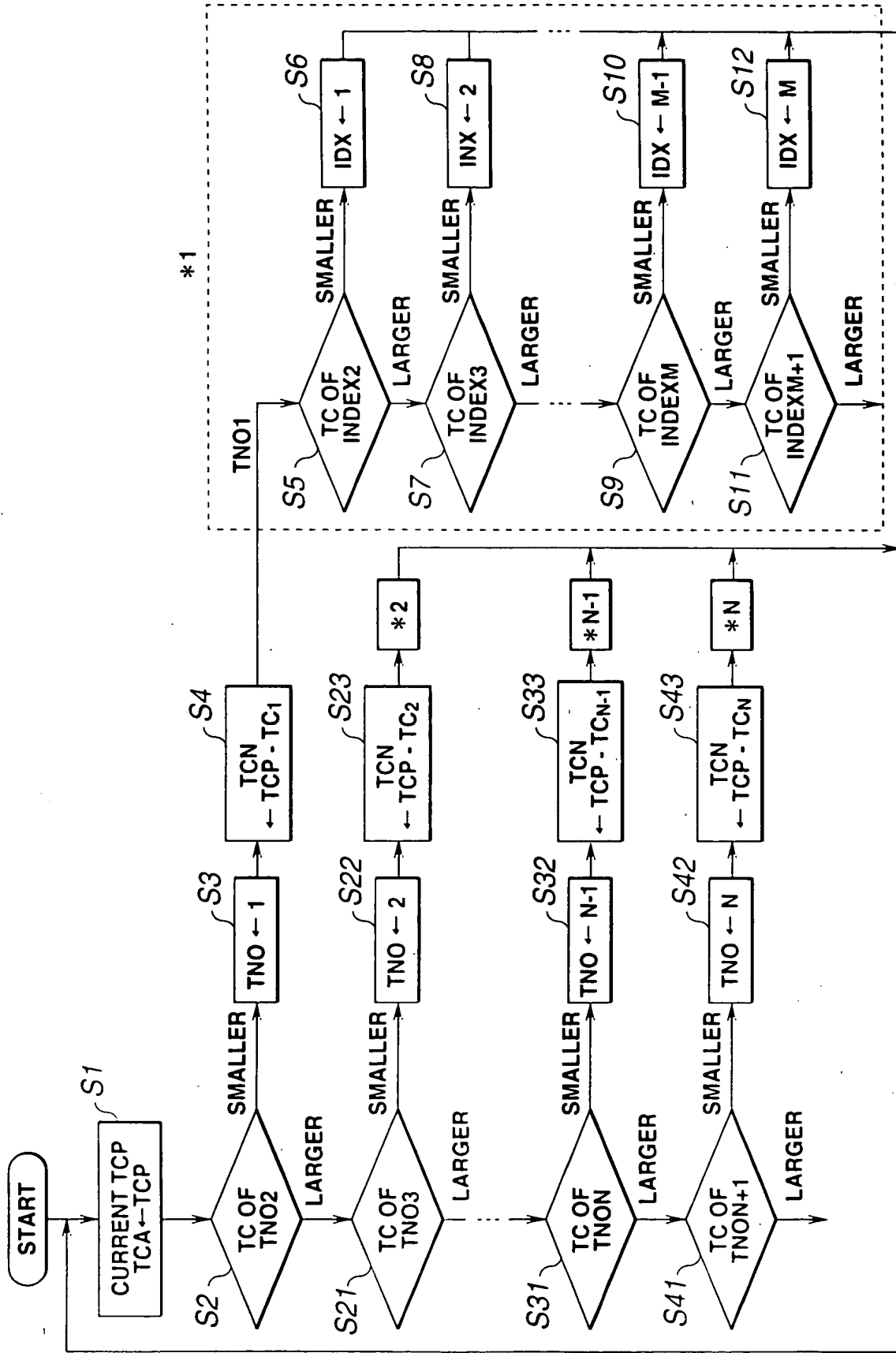


FIG.18

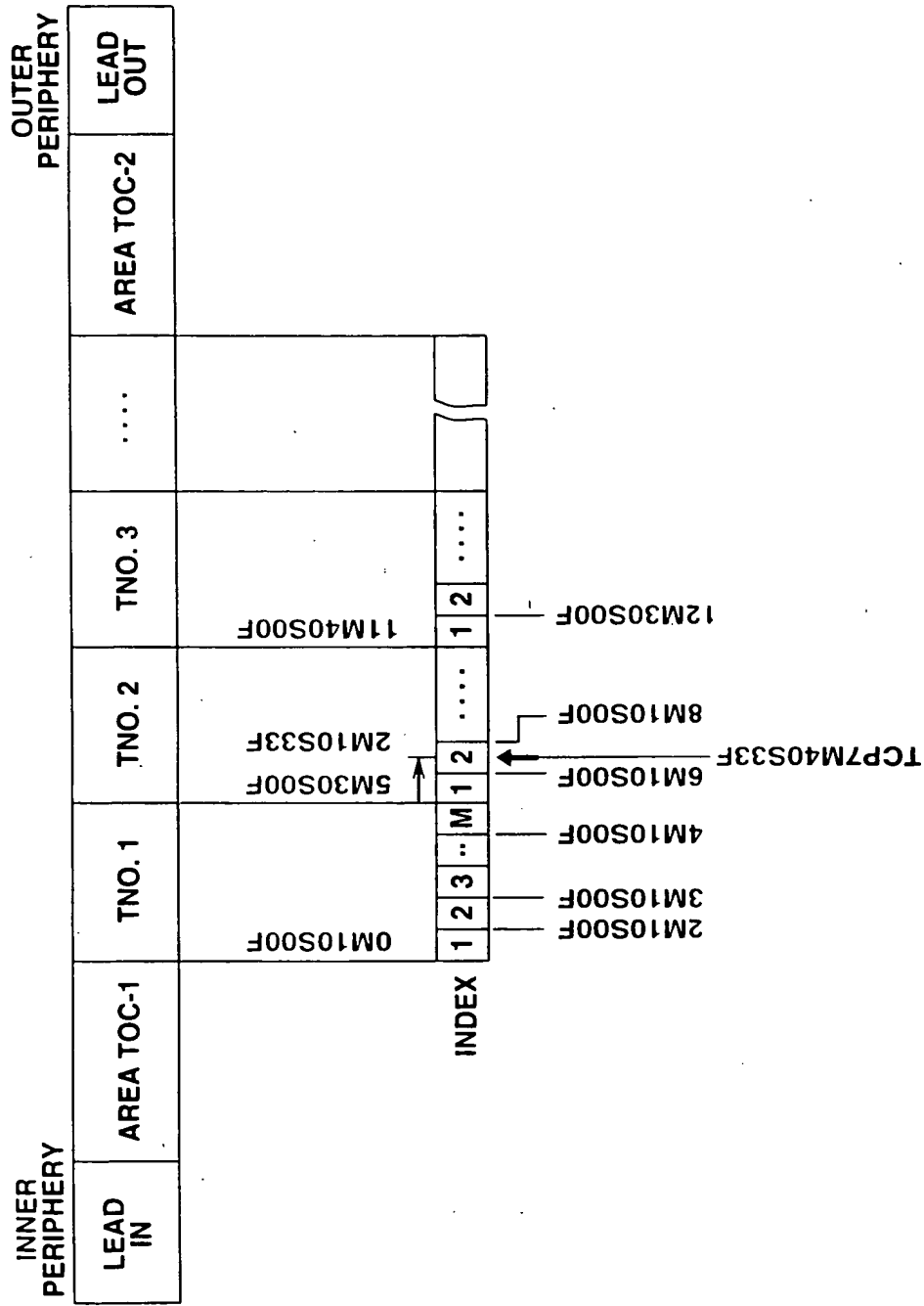


FIG.19

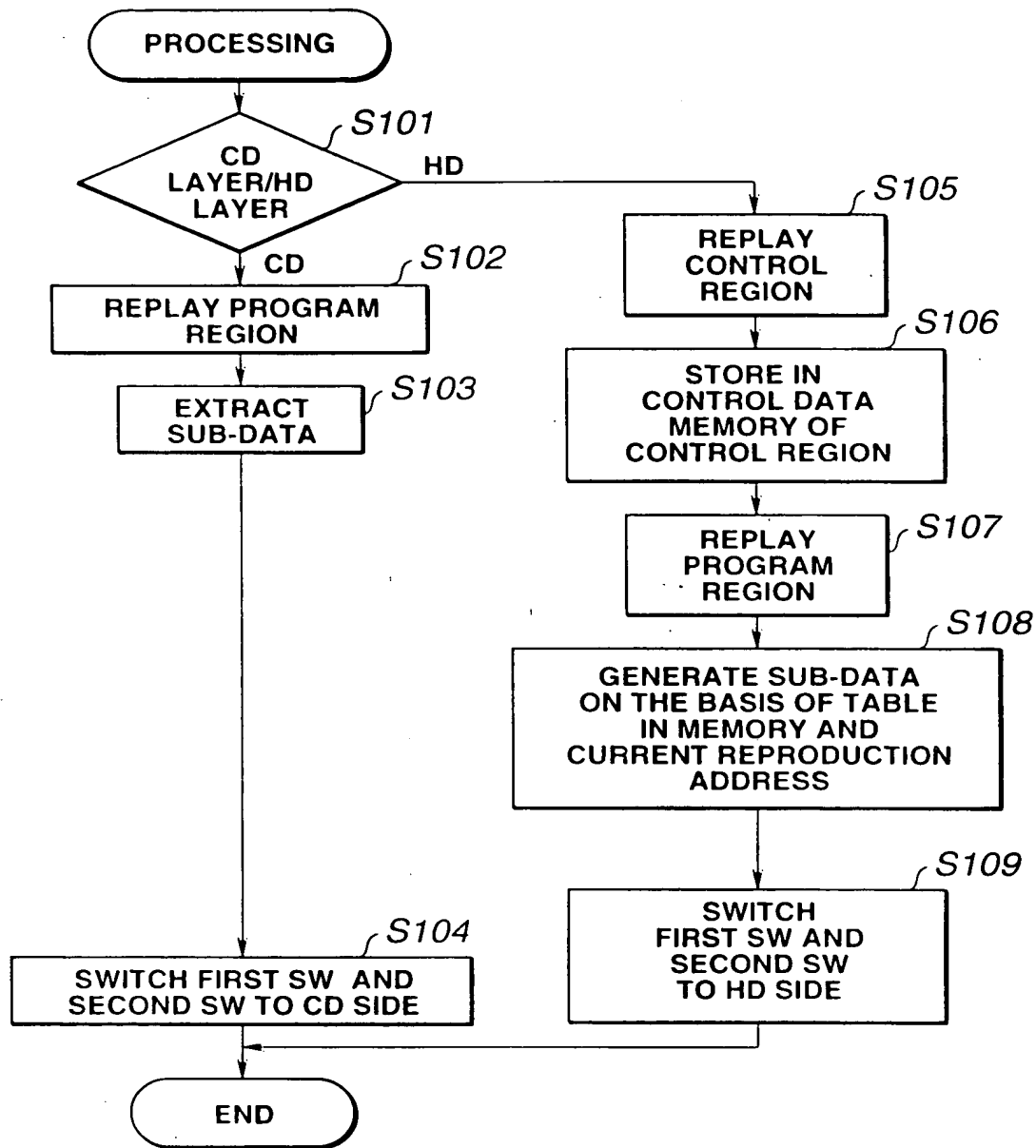


FIG.20